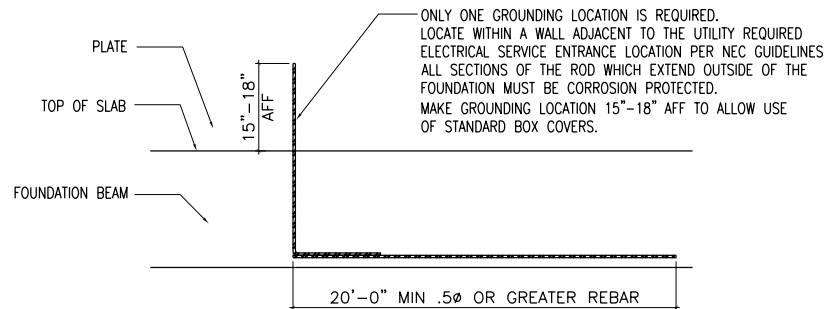


EXAMPLES FOR CONCRETE-ENCASED GROUNDING ELECTRODE PER NEC 2005, SECTION 250.52

Figure 1. GROUNDING DETAIL WHERE BEAM STEEL IS NOT PRESENT.



POST TENSION FOUNDATIONS:
DO NOT ATTACH THE GROUNDING SYSTEM (DIRECTLY OR INDIRECTLY) TO THE POST TENSION REINFORCEMENT IN ANY WAY. CONNECT TO REBAR THAT IS 1/2"Ø OR LARGER WITH A COMBINED (GROUPINGS OF REBAR TIED TOGETHER) LENGTH OF 20'-0" OR MORE AND ENCASED IN 2" MIN. OF CONCRETE.

Figure 3. TYPICAL GROUNDING ELECTRODE CONDUCTOR AND BONDING JUMPERS SIZED IN ACCORDANCE WITH 250.66 A SERVICE SUPPLIED BY 3/0 AWG UNGROUNDED CONDUCTORS.

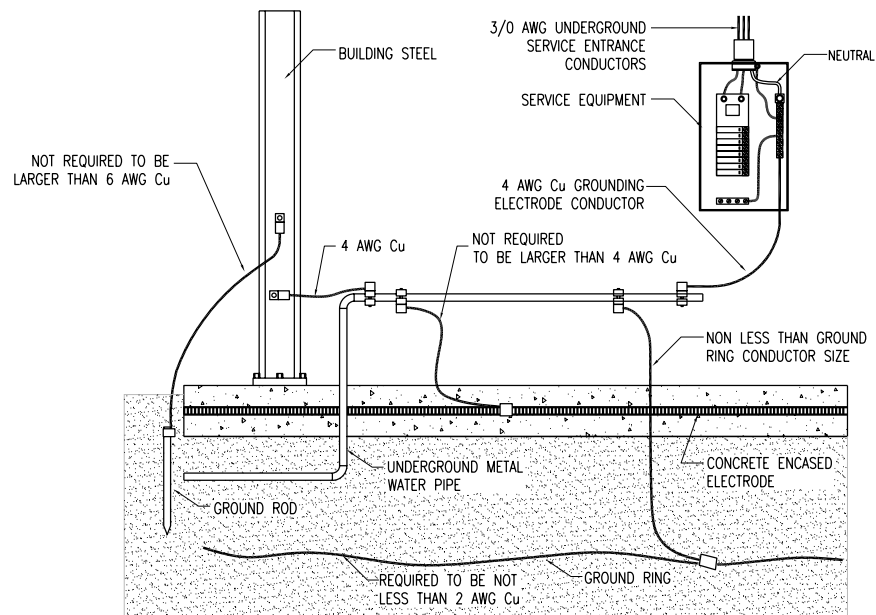
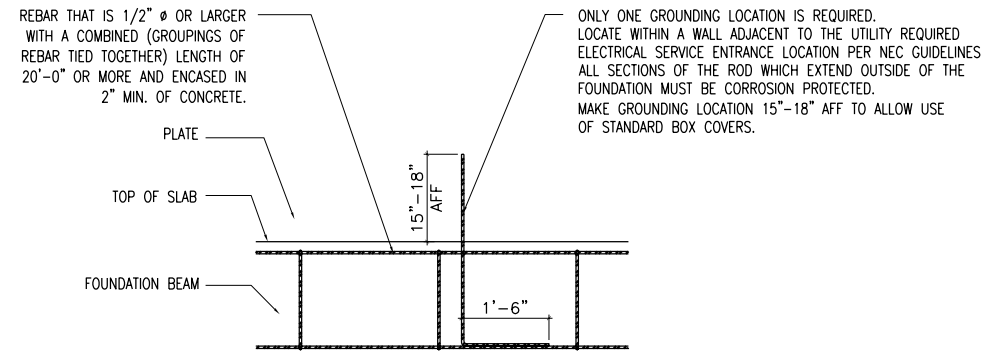


Figure 2. GROUNDING DETAIL FOR WHERE BEAM STEEL IS PRESENT.



POST TENSION FOUNDATIONS:
DO NOT ATTACH THE GROUNDING SYSTEM (DIRECTLY OR INDIRECTLY) TO THE POST TENSION REINFORCEMENT IN ANY WAY. CONNECT TO REBAR THAT IS 1/2"Ø OR LARGER WITH A COMBINED (GROUPINGS OF REBAR TIED TOGETHER) LENGTH OF 20'-0" OR MORE AND ENCASED IN 2" MIN. OF CONCRETE.

Figure 4. TYPICAL CONCRETE-ENCASED ELECTRODE.

